Request for Bids

Mississippi Valley State University

14000 Hwy 82-W #7244
Itta Bena MS 38941-1400

Web Address: www.mvsu.edu/purchasing/ Phone No: (662) 254-3319 Fax (662) 254-3314

THIS IS NOT AN ORDER

Bid Title:

Inverted Microscope System

Requester and Requesting Department:

Biology
Dr. Mark Dugo

Term – End of Month

Date: 12/1/2016

Bid No. VSRB 1005

Number of Pages 2

Change Order: None

Bids/Proposals – Do not include State or Federal Taxes in your bids/proposals. The University is exempted from these taxes. All order will be placed with successful bidder by Official Purchase Order.

Mississippi Valley State University is considering the purchase of the following item (s). **We ask that you submit your Bids/Proposals in three copies.** Rights are reserved to accept, or reject any and all parts of your bid/proposals. Your bid/proposals will be given consideration if received in this Office on or before the date and time below.

☑ This bid/proposal will be awarded on a line by line basis

☐ This bid/proposal will be awarded on a all or none basis

However, the University reserves the rights to award any and all bids/proposals in the best interest of the University.

Bid/Proposal opening {Date and Time}

2:15pm December 20, 2016

Mississippi Valley State University

W. W. Sutton Administration Building
3rd Floor, Business and Finance Conference Room

By: Billy D. Scott Purchasing Agent

Email: bscott@mvsu.edu

NOTE: If you cannot quote on the exact material shown, please indicate any exceptions, giving brand names and complete specifications on any alternate. Mississippi Valley State University reserves the rights to accept any alternate of equal or greater quality or performance. We also reserve the rights to waiver any irregularities that may appear in the Bids/Proposals specifications.

ITEM	QUANTITY	DESCRIPTIONS	UNIT PRICE	TOTAL NET PRICE
		See Attached Specifications		
Please show Bid/Proposals No. on outside of Envelope				

☐ If checked, Mississippi Valley State University reserves the rights for an additional 60 days to purchase and additional 20% of this bid/proposal at the same cost.

We quote you as above F.O.B – Mississippi Valley State University. Shipment can be made within _____ days from receipt of the order.

Company Quoting

Terms:

Date:

Phone/Fax:

Name

Address

City, State

Zip Code

Official Signature:

1. Equipment Specifications

1.1. MICROSCOPE FRAME WITH 2 PORTS

Inverted motorized microscope frame for reflected and transmitted light observations. Left-side port and one deck for intermediate attachments. Deck space allows for addition of dovetail mounted modules in the infinity space of the frame without the need to raise the nosepiece mounting and lose structural rigidity. Coaxial coarse and fine focus with revolving nosepiece up and down mechanism, 9.5mm focus stroke, coarse stroke 7mm/rotation, fine stroke 0.1mm/rotation, graduation on fine focus 1um. Prefocusing limit stopper and torque adjustment on coarse focus. Front side mounted light intensity control dial. Optical path switchover dividing ratio for observation/left side port (100:0/50:50/0:100). Field number 22.

1.1.1. Highly modular frame allowing addition of right side port, magnification changer, fluorescence filter turret, third party products, TIRF, etc. into the infinity space of the optical path. Increased structural rigidity, with square framed, closed structure design, less vibration at sample.

1.1.2. Large diameter tube lens maintains field size without vignetting in conjunction with 32mm fluorescence filter cubes ensure high SN ratio.

1.1.3. 22mm field enables use of new sCMOS cameras with large chip sizes.

1.1.4. Motorization of fluorescence mirror turret, stage, condenser, shutters, etc. capable as an upgrade in the future for step-by-step building of motorization.

1.1.5. Spill proof design nosepieces make microscope maintenance easier.

1.1.6. Improved accessibility to filter cubes, lower port prisms, and easily swappable deck modules.

1.2. Transmitted illumination pillar with tension adjustment mechanism for condenser up/down. Tilting design to allow for free access to the stage 30 degrees. Condenser travel range 88mm. Kohler position reproduction function for swing-up condenser. 4 in/out positions for 45mm filters/diffusers.

1.3. 12V/100W Halogen Transmitted Lamphouse with 0.8M cord. Pre-centered with aspherical collector lens assembly for highly even illumination.

1.4. 12V/100W Power supply, 100V Input, variable DC output with regulating knob, no fan.

1.5. Hand Switch intensity control dial. Attaches to the 12V/100W Power Supply listed above to provide remote control of intensity.

1.6. 45mm frosted diffusion filter for transmitted light.

1.7. 45mm light balancing daylight filter for halogen transmitted light balance.

1.8. Tilting binocular observation tube, continuously variable eyepiece inclination from 35 to 85 degrees, FN22 capable. High transmission coated prisms; antifungal treatment. Graduated interpupillary distance adjustment 50-76mm; right eyepiece tube with +/- 5 diopter control.

1.9. Widefield 10X focusing eyepiece, FN22, 30mm diameter with shelf for 24mm reticle.

1.10. Widefield 10X eyepiece, 30mm diameter with shelf for 24mm reticle.

1.11. 6 position, left-side tilted coded revolving nosepiece, slot for DIC slider. Can be combined with encoded hardware for integration with software for encoded magnification.

1.12. Long working distance universal turret condenser, NA 0.55, WD 27mm for DIC and phase contrast. Includes aperture stop, five position rotation turret for phase, polarizers, and DIC prisms, etc.

1.13. UPLFLN10X2PH; UPlan Fluor N 10X2 Phase objective; PH1, NA 0.3, WD 10MM Chromatic corrections for fluorescence between 450-650nm; Color Correction achieved inside of objective
1.14. LUCPLFLN20XPH; Long Working Distance UPlan Fluor 20x PH1 objective, NA 0.45, WD 6.4-7.6MM, with correction collar to adjust for vessel thickness. Chromatic corrections for fluorescence between 450-650nm; Color Correction achieved inside of objective
1.15. UPLFLN40XIPH; Long Working Distance UPlan Fluor 40x PH2 objective, NA 0.6, WD2.7- 4.0MM with correction collar to adjust for vessel thickness, Chromatic corrections for fluorescence between 450-650nm; Color Correction achieved inside of objective
1.16. PH1 PHASE ANNULUS FOR 1 0X/20X, 30MM, IX-LWUCD
1.17. PH2 PHASE ANNULUS FOR 4 0X, 20X UPLAPO, 30MM, IX-LWUCD
1.18. PH3 PHASE ANNULUS 100X, 60X,40X UPLAPO,38MM,IX-LWUCD
1.19. Manual X/Y stage with right hand control. Unique stage-position fixing function. Selectable travel range. Flexible X-Y stalk can be adjusted for tension.
1.20. 96 Well Click-Stop Mechanism for mechanical stage
1.21. Millimeter Scale for mechanical stage
1.22. Specimen holder for 72/60 Well Plates with position reproduction function for IX3-SVR right hand mechanical stage.
1.23. Specimen holder for microplate. Accepts 54mm dish and 1x3 slide.
1.24. Specimen holder for slides.
1.25. Straight fluorescence illuminator. Centerable and removable field stop and 3 position ND slider provided.
1.26. Manual coded fluorescence filter cube turret. With 8-posititon fluorescence mirror unit turret and shutter function. Easy exchange of filter cubes without tools.
1.27. U-LH100HGAAPO-1; 100WATT Mercury Lamp House w/ Chromatic Correction, Mirror
1.28. HB0103W/2; 100 WATT Mercury Burner
1.29. FL-CUBE AT – DAPI/Hoechst/AlexaFluor 350 fluorescence filters mounted in cube.
1.30. FL-CUBE AT - EGFP/FITC/Cy2/AlexaFluor 488 fluorescence filters mounted in cube.
1.31. FL-CUBE TRITC/Cy3/TagRFP/AlexaFluor 540 fluorescence filters mounted in cube.
1.32. OYMPUS DP80; DUAL CCD 12.7 MP Color + Mono CAMERA, Pixel Shift, Cooled; Contains both a color and a monochrome chip that are parfocal and automatically selected within the software to give true color images for brightfield stains and greatest sensitivity and quantative accuracy with a monochrome chip. Pixel shifting allows for correction of images when performing colocalization.
1.33. U-TV1X2-7; CCD Camera Adapter, 1X
1.34. U-BMAD; Bayonet Mount Camera Adapter
1.35. CellSens Standard Imaging Ssoftware 1.15; with multi-channel acquisition module experiment manager and control of future automated software. Automated reproducible experimental design with save feature to allow users to develop easy to use OP for reproducible results.
1.36. Dust Cover, Hood Type
1.37. Centering Telescope for aligning condenser phase annuli with objective phase rings.
1.38. Installation and on-site training